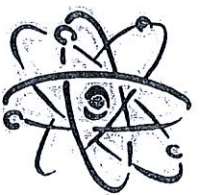


Brain POP Atoms Quiz



- What do we call the smallest unit of an element?
A. An atom
B. A molecule
C. A neutron
- What are electrons?
A. Positively charged particles that surround the nucleus of an atom
B. One of the particles making up the nucleus of an atom
C. Tiny subatomic particles that swarm around the atom's nucleus
- What does subatomic mean?
A. Larger than an atom
B. Smaller than an atom
C. Exactly the same size as an atom
- What kind of electrical charge do electrons have?
A. None
B. Positive
C. Negative
- What kind of electrical charge do neutrons have?
A. None
B. Positive
C. Negative
- What is a molecule?
A. Two or more atoms bonded together
B. An atom with more than one electron
C. A type of electron with no electrical charge
- What is the periodic table?
A. A helpful guide to punctuation
B. A listing of all possible electron states
C. A table defining all the elements
- The word "atom" comes from an ancient Greek word meaning...
A. Element
B. Tiny
C. Indivisible
- What makes up the center, or nucleus, of an atom?
A. Protons and neutrons
B. Neutrons and electrons
C. Protons and electrons
- Where can you find the electrons in an atom?
A. In the nucleus
B. Swarming around the nucleus in distinct orbits called shells
C. Scientists have not yet discovered where to find electrons

© BrainPOP.com. All rights reserved. Visit us on the Web at <http://www.brainpop.com>!

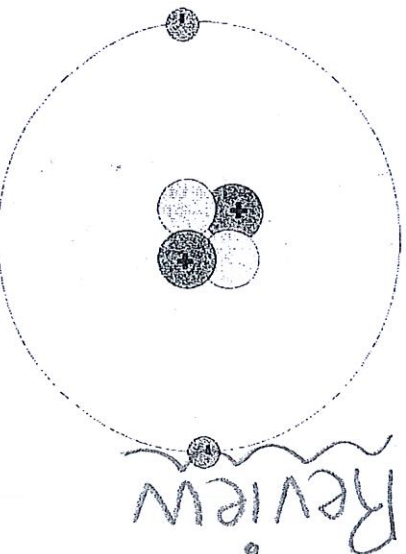
ATOMIC MATH REVIEW

The Rules:

- Atomic Number = the number of protons or electrons
- Atomic Mass = the number of protons + neutrons
- Number of neutrons = atomic mass - number of protons

Element	Atomic #	Atomic Mass	Protons	Neutrons	Electrons
Hydrogen	1	1	1	0	1
Fluorine	9	19	9	10	9
Sodium	11	23	11	12	11
Chlorine	17	35	17	18	17
Iron	26	56	26	30	26
Silver	47	108	47	61	47
Platinum	78	195	78	117	78
Radon	86	222	86	136	86
Uranium	92	238	92	146	92
Darnstadtium	110	281	110	171	110

Label the parts of the atom:

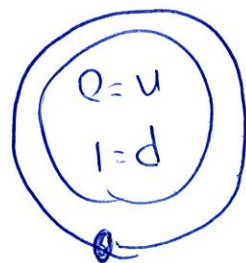


BOHR MODELS

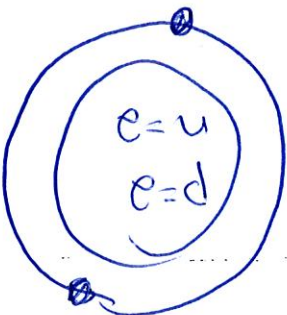
Name _____

Draw Bohr models of the following atoms. List protons & electrons & neutron number

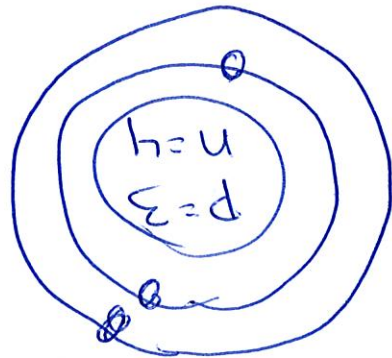
1. ${}^1_1\text{H}$



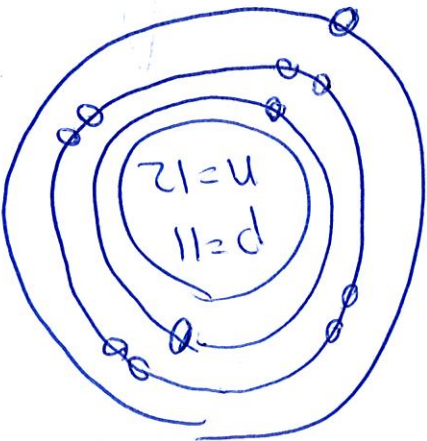
2. ${}^4_2\text{He}$



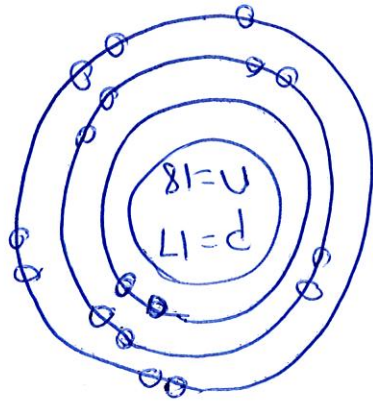
3. ${}^7_3\text{Li}$



4. ${}^{23}_{11}\text{Na}$



5. ${}^{35}_{17}\text{Cl}$



6. ~~${}^{12}_6\text{C}$~~

